

## agenda

The 2019  
Material Intelligence  
SeminarOctober 30, 2019  
The MTC, Coventry, UK

This Seminar is open to anyone with an interest in materials information and its applications in areas including: additive manufacturing, materials engineering, the digital twin, product development, the supply chain, quality, purchasing, warranty, and meeting environmental and regulatory objectives.

09:00	<b>Registration and arrival refreshments</b>
09:30	<b>Welcome and introductions</b> Meet the ANSYS Granta team and our guest speakers
09:45	<b>Materials and Digital Transformation</b> Just as other areas of the product development process have undergone significant digitalization, the best manufacturing businesses are rapidly implementing systems that enable them to develop 'material intelligence' and tools to make smart materials decisions. Why? And how?
10:10	<b>GKN Aerospace Case Study</b> Hear from GKN Aerospace on their experience of implementing materials information technology.
10:40	<b>Coffee Break/Networking</b>
11:10	<b>The Materials Information Management Essentials</b> What are the key requirements for best practice management of material intelligence? Learn from Granta's decades of experience in working with industry leaders - what to think about, and how to overcome the challenges.
11:35	<b>An Additive Manufacturing Case Study</b> AM projects need to capture a wide range of data to support future analysis, certification and traceability. And they aim to use this data to accelerate project timescales and get to market sooner. AM provides a great case study for the practical implementation of materials information management.
11:55	<b>The MTC Case Study</b> Hear from the MTC on their experience of implementing materials information technology.
12:20	<b>Driving Success in Product Engineering - Materials for PLM, CAD, and CAE</b> Materials information systems must not become 'siloes' of information. Success demands seamless integration with your other business and engineering systems, delivering consistent, accurate, traceable data when and where it's needed. Truly effective integration can be challenging - we'll show how to do it.
12:40	<b>Lunch/ Networking</b>
13:40	<b>Enabling Smart Analysis and Decision-Making</b> You won't always have the right materials data in-house. How do you fill gaps in your corporate knowledge? And what tools are available to apply this data to select materials and solve materials challenges?
14:05	<b>Guest Speaker Case Study</b> Hear from a leading engineering enterprise on their experience of implementing materials information technology.
14:30	<b>Assessing and Managing Risk in your Products</b> Businesses are increasingly faced with regulatory and environmental challenges – and many of these are connected to material choices. See how the EMIT Consortium is connecting material, specification, substance, and regulatory information to identify and mitigate these critical risks.
14:55	<b>Wrap up and Close of Seminar</b> What have we learned today? We'll summarize key lessons and leave you with a checklist for auditing your materials information technology needs.
15:15	<b>Take away coffee/ Networking</b>